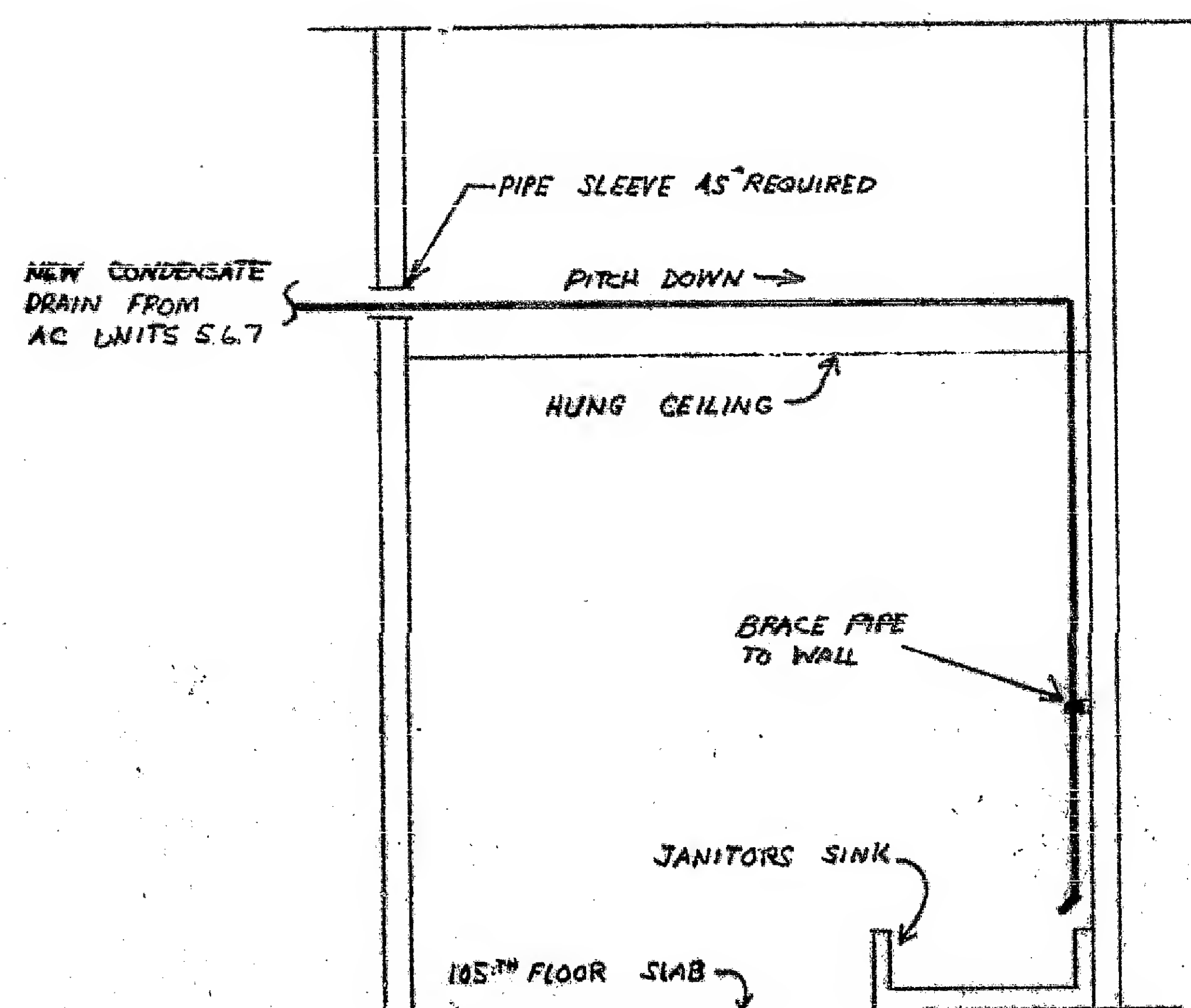


A-105
CANTOR, A. J. 1981
5/11/81
H-3

DAMPER NOTE

1. ALL FIRE DAMPERS SHALL BE RATED TO MAINTAIN THE RATING OF THE FIRE SEPARATION. THEY SHALL BE APPROVED AND LABELLED BY UNDERWRITER'S LABORATORY (U.L.) AND BOARD OF STANDARDS AND APPEALS (B.S.A.). THE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S (U.L.) APPROVED INSTRUCTIONS. DAMPERS SHALL BE AS MANUFACTURED BY AIRSEALANCE INC., AIRSEALANCE MFG. CORP., AIRSTREAM PRODUCTS, OR AN APPROVED EQUIVALENT.
2. ALL DUCT-COLLAR CONNECTIONS SHALL COMPLY WITH ASHRAE AND SMACNA.
3. GAGES FOR COLLARS OF RECTANGULAR DUCT SHALL BE AS FOLLOWS:
 - a) WHEN DUCT COLLARS ARE CONNECTED WITH A RIGID CONNECTION SIMILAR TO REINFORCED STEEL, ANGLE REINFORCED POCKET LOCK, OR COMPANION ANGLE, MINIMUM 16 GAUGE UP TO 36" WIDE X 74" HIGH AND 14 GAUGE FOR LARGER SIZES SHALL BE INSTALLED.
 - b) WHEN OTHER DUCT COLLAR CONNECTIONS ARE UTILIZED, THE COLLAR GAUGE SHALL COMPLY WITH ASHRAE AND SMACNA.
4. GAGES FOR COLLARS IN ROUND DUCT SHALL BE A MINIMUM OF 18 GAUGE.
5. AFTER THE INSTALLATION OF DAMPERS, THE CONTRACTOR SHALL SEAL AND TAPE ALL JOINTS FOR AIR TIGHTNESS. SEALANTS USED SHALL BE 3M COMPANY NO. 660, MIRACLE ADHESIVE CORPORATION OR AN APPROVED EQUIVALENT. GYPSUM VENT DUCT SHALL BE AS MANUFACTURED BY WASHUA CORPORATION OR AN APPROVED EQUIVALENT.
6. TO ALLOW FOR EXPANSION, DAMPERS SHALL HAVE A TOP CLEARANCE EQUIVALENT TO 1/8" FOR EACH FOOT OF DAMPER HEIGHT. THE SIDE CLEARANCE SHALL BE 1/8" FOR EACH FOOT OF DAMPER WIDTH DIVIDED BY TWO TO THE RIGHT AND LEFT OF THE DAMPER. THE MINIMUM CLEARANCE FOR THE TOP AND THE TOTAL OF BOTH SIDES SHALL BE 1/2" EACH. THE RETAINING ANGLES SHALL BE 1 1/2" X 1 1/2" X 1/8", SO THAT THERE WILL BE A MINIMUM OF 1" OF OVERLAP ON THE FIRE SEPARATION.
7. DAMPER SHALL BE SECURED TO COLLAR WITH EITHER 1/2" THICKWELDS, NO. 10 SHEET METAL SCREWS, 1/4" DIAMETER NUTS AND BOLTS, OR 3/16" STEEL POP RIVETS, ALL 6" ON CENTER.
8. RETAINING ANGLES SHALL BE SECURED TO COLLAR, SLEEVE OR PLATE WITH EITHER 1/2" THICKWELDS, NO. 10 SHEET METAL SCREWS, 1/4" DIAMETER NUTS AND BOLTS, OR 3/16" STEEL POP RIVETS, ALL 6" ON CENTER.
9. WHERE THE HUNG CEILING IS NOT HAVE REMOVABLE TELES, AN ACCESS DOOR (FIRE-RATED WHERE REQUIRED) SHALL BE INSTALLED IN CEILING NEAR LOCATION OF FIRE DAMPER.
10. ALL RETAINING ANGLES SHALL BE GALVANIZED STEEL.



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